

# **Soil and Water Remediation, Groundwater/Vadose Zone (RL-0030)**

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***200-ZP-1 Four Well Expansion  
Blower Unit***

## Overview

This section addresses Project Baseline Summary (PBS) RL-0030, *Soil and Water Remediation, Groundwater/Vadose Zone*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of August 2008.

## Notable Accomplishments

### • River Corridor

- Accepted two 100-KR-4 replacement injection wells.
- Drilled two 100-KR-4 KW chromium characterization wells.
- Initiated discussions with EPA/Ecology to address the 100-D/H data needs for the RI/FS work plan.
- Continue construction of 100-KR-4 pump and treat expansion to 900 gpm.
- Initiated field work to evaluate TPH remediation at 100-N.
- Decommissioned three wells for a total of 57 wells decommissioned, completing the FY 2008 well decommissioning commitment for the River Corridor.
- Recommended treatment technologies for 100-D pump and treat expansion to RL.
- Issued chromium plume decisional draft interpretive report to RL.

### • Central Plateau

- Issued the 200-ZP-1 Rev. 0 Feasibility Study and Proposed Plan.
- Completed tie-in for four well expansion; testing in process.
- Issued final report for the Draft Functional and Operational Requirements for the 200 West Treatment System.
- Accepted one 200-BP-5 characterization well.
- Decommissioned 30 wells for a total of 43 wells decommissioned, completing the FY 2008 well decommissioning commitment for the Central Plateau.

### • Integration

- Completed 83 percent of baseline wells to be sampled (2024 of 2403 wells).

## FY 2008 Funds vs. Spend Forecast (\$M)

	Projected FY 2008 Funding	FY 2008 Fiscal Year Spending Forecast	Variance
Soil and Water Remediation, Groundwater/ Vadose Zone	\$ 116.5	\$ 113.7	\$ 2.8

## Schedule/Cost Performance (\$M)

Soil & Water Remediation, Groundwater/Vadose Zone	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion (FY08/ CTD)
Current Period (Month)	\$9.4	\$11.3	\$9.6	\$1.9	20.7%	\$1.8	15.6%	\$103.0
Cumulative-to-Date (FY 2004-Present)	\$300.4	\$293.9	\$293.3	-\$6.5	-2.2%	\$0.7	0.2%	\$311.6

Numbers are rounded to the nearest \$0.1M and include the Closure Services allocation.

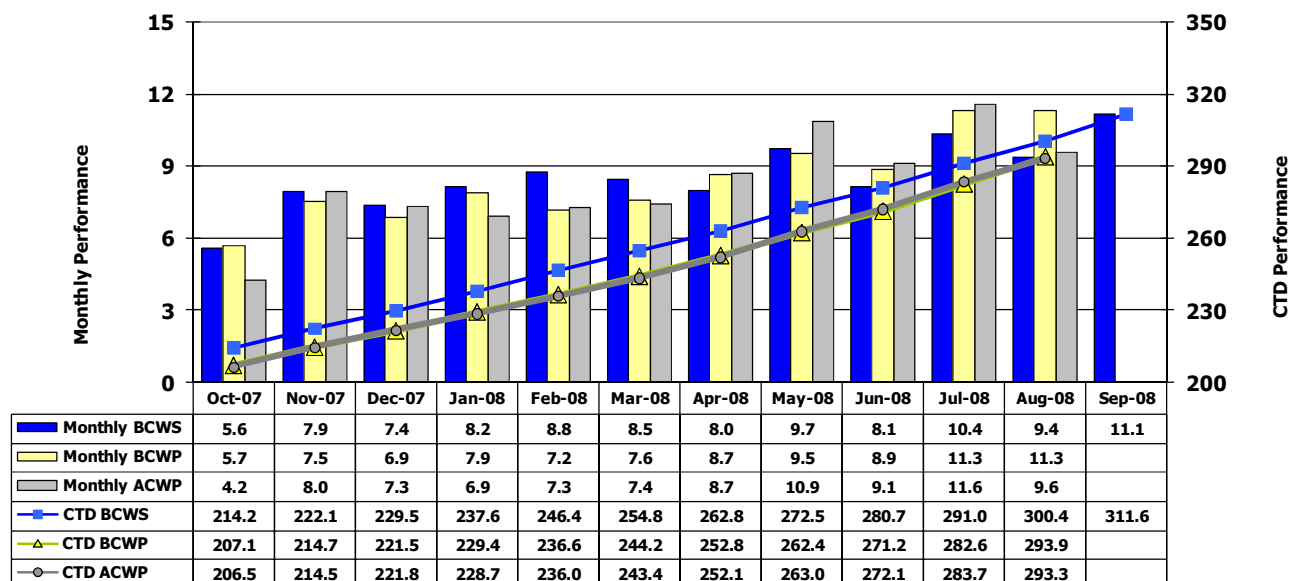
### CTD Schedule Performance (-\$6.5M/-2.2%):

- The CTD schedule variance is primarily due to:
  - Well drilling delays were due to delayed regulator approval of well locations and Sampling Analysis Plans.
  - Prior month delays in placement of contracts for Groundwater/Vadose Zone Integration support.
  - Delayed start of 200-BP-5 high-risk "K" well due to worker safety concerns associated with summer temperatures.
  - Delayed procurement of the 200-ZP-2 soil vapor extraction replacement system.

### CTD Cost Performance (+\$0.7M/+0.2%):

- The CTD cost variance is attributable to:
  - Project growth exceeding the plan and various prior year project overruns for well drilling offset by efficiencies in pump and treat operations and overhead passbacks.
  - Underruns associated with the Closure Services allocation.

### Performance Analysis CTD and Monthly (\$M)



## Milestone Achievement

*Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The FY 2008 Enforceable Agreement milestone information provided herein is based upon the current baseline including RL-approved changes. Changes from month-to-month in both the total number of milestones to be completed and in the forecast status of upcoming milestones are the result of Baseline Change Requests approved during the reporting period.

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comments
M-024-57M	Install a Cumulative of 60 Wells	TPA	12/31/07	4/6/07		Complete
M-015-50	Submit a Treatability Work Plan for Deep Vadose Zone Technetium and Uranium to Ecology and EPA	TPA	12/31/07	12/22/07		Complete
M-016-14B	Submit Draft CERCLA Proposed Plan for 100-NR-2	TPA	12/31/09		12/31/09	TPA Change Request Revised Date to 12/31/09